

Linear Regression

Problem

Restore the equation of the line by given dataset.

Use Normalized root-mean-square error as error function.

Use [this datasets](#) to test your algorithm.

File Format

There are two types of files **.csv** and **.txt** both contains the same datasets.

_train.txt file starts with two natural number on separated lines: **F** — number of features and **N** — number of objects in dataset. The **N** following lines contains description of objects (one object per line): **$F+1$** numbers. **F** features of current object and its target value. **_test.txt** file contains 1024 objects with the similar format (without two numbers at the begin of file).